

# (19) United States

## (12) Patent Application Publication (10) Pub. No.: US 2021/0269845 A1 **PRAG**

(43) **Pub. Date:** 

Sep. 2, 2021

### (54) BACTERIAL SYSTEMS FOR ANALYZING UBIQUITYLATED POLYPEPTIDES

(71) Applicant: Technology Innovation Momentum Fund (Israel) Limited Partnership,

Tel-Aviv (IL)

(72) Inventor: Gali PRAG, Tel Aviv (IL)

(73) Assignee: Technology Innovation Momentum Fund (Israel) Limited Partnership,

Tel-Aviv (IL)

(21) Appl. No.: 17/207,943

Mar. 22, 2021 (22) Filed:

### Related U.S. Application Data

(63) Continuation of application No. 16/322,956, filed on Feb. 3, 2019, now Pat. No. 10,982,252, filed as application No. PCT/IL2017/050876 on Aug. 8, 2017.

Provisional application No. 62/371,881, filed on Aug. 8, 2016.

### **Publication Classification**

(51) Int. Cl.

C12Q 1/02 (2006.01)C12Q 1/48 (2006.01)C12N 9/10 (2006.01)

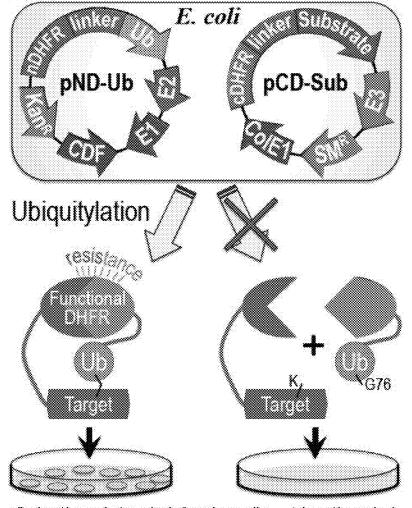
U.S. Cl.

CPC ..... C12Q 1/025 (2013.01); C12Q 1/48 (2013.01); C12N 9/104 (2013.01); C07K 2319/95 (2013.01); G01N 2500/10 (2013.01); G01N 2333/9015 (2013.01); G01N 2500/02 (2013.01); G01N 2333/9108 (2013.01)

#### (57)**ABSTRACT**

Bacterial systems for analyzing ubiquitination of proteins is disclosed herein. Kits for analyzing the ubiquitination and methods for carrying out the analysis are also disclosed.

Specification includes a Sequence Listing.



Selective plates (minimal media + trimethoprim)